

CLAIM AMENDMENTS

The following is a complete list of claims. The claims below replace all prior versions of the claims in the application. Please amend claims 1, 8, 11 and 16; and add claims 19 – 23.

1. (Currently Amended) A latch, comprising:
 - a first member operable to be attached to a chassis and defining a slot, the chassis having a first connector; and
 - a second member operable to be attached to a sub assembly that is installable in the chassis and includes a second connector, the second member having a lip and operable to rotate about an axis to engage the slot with the lip, wherein the slot is located a distance away from the axis and has a length less than the circumference of a circle centered on the axis and having a radius equal to the distance, and wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction.
2. (Original) The latch of claim 1 wherein the second member defines a hole that is operable to receive a fastener that attaches the second member to the sub assembly.
3. (Original) The latch of claim 1 wherein the second member defines a hole that is operable to receive a screw that attaches the second member to the sub assembly.
4. (Original) The latch of claim 1 wherein:
 - the second member defines a hole that is operable to receive a fastener that attaches the second member to the sub assembly; and
 - the second member is operable to rotate about the fastener.
5. (Original) The latch of claim 1 wherein the second member includes a latch guide that is operable to prevent the second member from rotating beyond a predetermined position by engaging the first member.

6. (Original) The latch of claim 1, further comprising:
 - a guide member operable to be attached to the sub assembly; and
 - wherein the second member includes a latch guide that is operable to prevent the second member from rotating beyond a predetermined position by engaging the guide member.
7. (Original) The latch of claim 1 wherein:
 - the slot has an edge; and
 - the lip has a notch operable to engage the edge when the lip engages the slot.
8. (Currently Amended) A sub assembly installable in a chassis having a first connector and a first latch member that defines a slot, the sub-assembly comprising:
 - a side;
 - a second connector; and
 - a second latch member attached to the side, having a lip, and operable to rotate about an axis to engage the slot with the lip, wherein the slot is located a distance away from the axis and has a length less than the circumference of a circle centered on the axis and having a radius equal to the distance, and wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction.
9. (Original) The sub assembly of claim 8, further comprising:
 - wherein the side defines a first hole;
 - wherein the second member defines a second hole; and
 - a screw that extends through the second hole and into the first hole to rotatably attach the second member to the side.
10. (Original) The sub assembly of claim 8, further comprising:
 - a guide member attached to a side; and

wherein the second member includes a latch guide that is operable to prevent the second member from rotating beyond a predetermined position by engaging the guide member.

11. (Currently Amended) A system, comprising:
 - a chassis having a receptacle and a first connector;
 - a first latch member attached to the chassis adjacent to the receptacle and defining a slot;
 - a sub assembly having a second connector and disposed in the receptacle; and
 - a second latch member attached to the sub assembly, having a lip, and operable to rotate about an axis to engage the slot with the lip, wherein the slot is located a distance away from the axis and has a length less than the circumference of a circle centered on the axis and having a radius equal to the distance, and wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction.
12. (Previously Presented) The system of claim 11 wherein the second connector is operable to mate with the first connector when the lip engages the slot.
13. (Previously Presented) The system of claim 11, further comprising:
 - wherein the sub assembly defines a first hole;
 - wherein the second latch member defines a second hole; and
 - a screw that extends through the second hole and into the first hole and that forces the first connector to mate with the second connector when the screw is tightened and the lip engages the slot.
14. (Original) The system of claim 11, further comprising:
 - wherein the receptacle has a rear; and
 - a stop disposed in the receptacle and operable to maintain a minimum predetermined distance between the sub assembly and the rear of the receptacle.

15. (Original) The system of claim 11, further comprising:

wherein the receptacle has a rear; and
a stop attached to the sub assembly and operable to maintain a minimum predetermined distance between the sub assembly and the rear of the receptacle.

16. (Currently Amended) A method, comprising:

inserting a sub assembly having a first connector into a chassis having a second connector;
rotating a first latch member disposed on the sub assembly about an axis;
and
engaging a lip of the first latch member with a slot of a second latch member disposed on the chassis, wherein the slot is located a distance away from the axis and has a length less than the circumference of a circle centered on the axis and having a radius equal to the distance, and wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction.

17. (Previously Presented) The method of claim 16 wherein the first connector mates with the second connector.

18. (Original) The method of claim 16, further comprising tightening a screw that attaches the first latch member to the sub assembly after engaging the lip with the slot.

19. (New) A latch comprising:

a first member operable to be attached to a chassis and defining a slot, the chassis having a first connector; and
a second member operable to be attached to a sub assembly that is installable in the chassis and includes a second connector, the second member having a lip and operable to rotate about an axis to engage the slot with the lip, wherein engagement of the slot with the lip causes

the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction; and

wherein the second member includes a latch guide that is operable to prevent the second member from rotating beyond a predetermined position by engaging the first member.

20. (New) A latch comprising:

a first member operable to be attached to a chassis and defining a slot, the chassis having a first connector;

a second member operable to be attached to a sub assembly that is installable in the chassis and includes a second connector, the second member having a lip and operable to rotate about an axis to engage the slot with the lip, wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction; and

wherein the slot has an edge and the lip has a notch operable to engage the edge when the lip engages the slot.

21. (New) A sub assembly installable in a chassis having a first connector and a first latch member that defines a slot, the sub-assembly comprising:

a side;

a second connector;

a second latch member attached to the side, having a lip, and operable to rotate about an axis to engage the slot with the lip, wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction;

a guide member attached to the side; and

wherein the second member includes a latch guide that is operable to prevent the second member from rotating beyond a predetermined position by engaging the guide member.

22. (New) A system, comprising:

a chassis having a receptacle and a first connector;
a first latch member attached to the chassis adjacent to the receptacle and defining a slot;
a sub assembly having a second connector and disposed in the receptacle;
a second latch member attached to the sub assembly, having a lip, and operable to rotate about an axis to engage the slot with the lip, wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the axis being substantially oriented along the direction; and
wherein the receptacle has a rear; and a stop disposed in the receptacle and operable to maintain a minimum predetermined distance between the sub assembly and the rear of the receptacle.

23. (New) A latch comprising:

a first member operable to be attached to a chassis and defining a slot, the chassis having a first connector; and
a second member operable to be attached to a sub assembly that is installable in the chassis and includes a second connector, the second member having a lip and operable to rotate about a shaft to engage the slot with the lip, wherein the lip is separate from the shaft, and wherein engagement of the slot with the lip causes the second connector to move in a direction toward the first connector, the shaft being substantially oriented along the direction.